Exercise **1** *Find the zeros of the following function.*

$$z(x) = 4x(5x - 1)(3x + 8)(x - \sqrt{5})(x + \sqrt{5})$$

Enter the x values from smallest to largest

$$x_1 = \boxed{-\dfrac{8}{3}}$$

$$x_2 = \boxed{-\sqrt{5}}$$

$$x_3 = \boxed{0}$$

$$x_4 = \boxed{\dfrac{1}{5}}$$

$$x_5 = \boxed{\sqrt{5}}$$